

CLAIMS:

1. A beverage-making apparatus, comprising:
 - a housing,
 - an electric motor located within the housing,
 - 5 a torque transmission supported by the housing and receiving input from the electric motor and providing a first output shaft and a second-speed output shaft that rotates at a different speed than the first output shaft,
 - a crushing module supported by the housing and
 - 10 receiving torque from the first output shaft, and
 - a blending module receiving torque from the second output shaft.
2. The apparatus of Claim 1 wherein the second-speed
- 15 output shaft rotates at a different speed and in a different direction than the first output shaft.
3. The apparatus of Claim 1 wherein the crushing module comprises a contoured crushing disk that bears down upon a
- 20 beverage ingredient, and a blade against which the beverage ingredient is crushed by the crushing disk.
4. The apparatus of Claim 3 wherein the crushing disk is attached to the first output shaft.
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5. The apparatus of Claim 1 wherein the blending module comprises a whisk driven by the second output shaft and a vessel into which the whisk depends.

6. The apparatus of Claim 5 further comprising a second whisk driven by the first output shaft, and wherein the second-speed output shaft rotates at a different speed and in a different direction than the first output shaft.

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7. The apparatus of Claim 1 wherein the torque transmission comprises a gearbox.

8. The apparatus of Claim 6 wherein the first and second
10 output shafts are co-linear and extend from opposite sides of the gearbox.

9. The apparatus of Claim 1 wherein the housing comprises a base upon which the vessel is supported.

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10. The apparatus of Claim 1 wherein the crushing module comprises a hinged lid.

11. The apparatus of Claim 1 further comprising a funnel
20 depending from the blade toward the blending module.

12. The apparatus of Claim 5 wherein the blending module comprises a vessel lid fitted to the vessel, the vessel lid comprising a vessel lid upper having a coupling attached to
25 the second output shaft, and a lid lower through which torque is transmitted from the coupling to the whisk.

13. A beverage-making apparatus, comprising:

a housing,

an electric motor located within the housing,

a torque transmission supported by the housing and
receiving input from the electric motor and providing an
5 output,

a crushing module supported by the housing and
receiving torque from the output, the crushing module
comprising a contoured crushing disk that bears down upon a
beverage ingredient, and a blade against which the beverage
10 ingredient is crushed by the crushing disk, and

a blending module receiving torque from the output, and
positioned to receive the beverage ingredient crushed by the
crushing disk.

15 14. - The apparatus of Claim 13 wherein the crushing disk
comprises a boss, an outer ring coaxial with the boss and
two diametrically opposed contoured paddles positioned
between the boss and the outer ring for bearing down upon
the beverage ingredient.

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15. The apparatus of Claim 14 wherein the boss includes a
bore having splines for coupling with the output.

16. The apparatus of Claim 14 wherein the paddles have a
25 pitch that forces beverage ingredient at a front of the
paddles against the blade.

17. A beverage-making apparatus, comprising:

a housing,

an electric motor located within the housing,

a torque transmission supported by the housing and
receiving input from the electric motor and providing an
5 output,

a crushing module having a base and supported by the
housing, the crushing module comprising a contoured crushing
disk receiving torque from the first output shaft and that
bears down upon a beverage ingredient, and a blade
10 positioned at the base and against which the beverage
ingredient is crushed by the crushing disk, and

a blending module receiving torque from the output, and
positioned to receive the beverage ingredient crushed by the
crushing disk.

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18. The apparatus of Claim 17 wherein the crushing disk
comprises a boss having a splined bore for coupling with
the output, an outer ring coaxial with the boss and two
diametrically opposed paddles positioned between the boss
20 and the outer ring, the paddles have a pitch that forces
beverage ingredient at a front of the paddles against the
blade.

19. A beverage-making apparatus, comprising:

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a housing,

an electric motor located within the housing,

a torque transmission supported by the housing and
receiving input from the electric motor and providing an

output,

a crushing module supported by the housing and receiving torque from the output, the crushing module comprising a contoured crushing disk that bears down upon a beverage ingredient, and a blade against which the beverage ingredient is crushed by the crushing disk, and

a blending module receiving torque from the output, and positioned to receive the beverage ingredient crushed by the crushing disk, the blending module having a coupling for releasably engaging it with the housing.

20. The apparatus of Claim 19 wherein the coupling is a bayonet type coupling.

21. A beverage-making apparatus, comprising:

a housing,

an electric motor located within the housing,

a torque transmission supported by the housing and receiving input from the electric motor and providing an output,

a crushing module supported by the housing and receiving torque from the output, the crushing module comprising a contoured crushing disk that bears down upon a beverage ingredient, and a blade against which the beverage ingredient is crushed by the crushing disk, and

a blending module positioned to receive the beverage ingredient crushed by the crushing disk, the blending module comprising a blending housing having a coupling for

receiving torque from the output, a second torque transmission supported by the blending housing and receiving input from the coupling and providing a first output shaft and a second-speed output shaft that rotates at a different
5 speed than the first output shaft, the first output shaft being positioned within the second output shaft, and a first whisk receiving torque from the first output shaft and a second whisk receiving torque from the second output shaft.

10 22. The apparatus of Claim 21 wherein the second output shaft rotates in a different direct to the first output shaft.